

Application No 10/628,207
Application dated July 29, 2003
Reply to office action of June 6, 2009

I claim

Claims 1-20 (canceled)

Claim 21 (new): A balloon catheter and stent wherein a part of the shaft is replaced by spring, having circular or longitudinal or oblique spirals/strands to absorb and transmit forward force for balloon advancement while maintaining alignment: wherein the outer surface of balloon is coated with heat expansible material and balloon has longer flexible nose-cone: wherein the stent struts are of short length, having zig-zag pattern and flat outer surface: wherein the stent will be coated with a cocktail of heparin(fractionated or unfractionated), a platelet glycoprotein gpIIb/IIIa receptor blocker and a cytostasis/cytotoxic drugs and having a differential release pattern for different drugs: wherein drug amount will be more at edges of stent especially the proximal edge.